

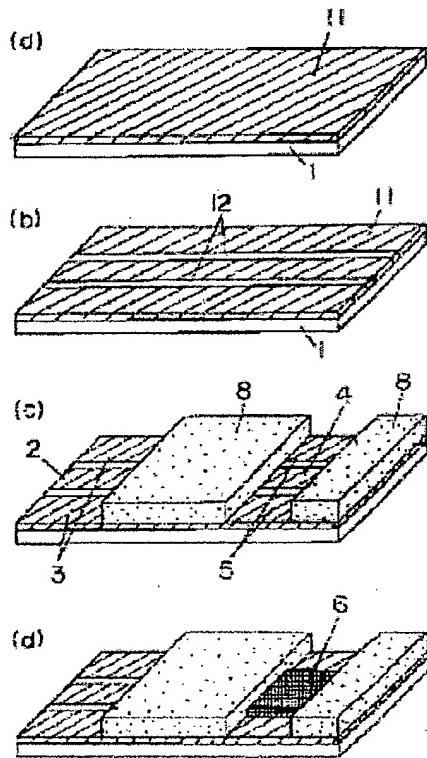
## LITERATUR

### BIOSENSOR

**Patent number:** JP9189675      **Also published as:**  
**Publication date:** 1997-07-22      **US6004441 (A1)**  
**Inventor:** TOKUNO YOSHINOBU; MIYAZAKI  
MASAJI; FUJIWARA MASAKI  
**Applicant:** MATSUSHITA ELECTRIC IND CO  
LTD  
**Classification:**  
- **international:** G01N27/327  
- **european:** G01N27/403; G01N33/487B2;  
G01N33/52C  
**Application number:** JP19960001994 19960110  
**Priority number(s):** JP19960001994 19960110;  
US19970889929 19970710-

#### Abstract of JP9189675

**PROBLEM TO BE SOLVED:** To provide an accurate sensor which does not cause print blurring, can specify electrode areas with precision, and has invariable responsiveness by forming a measuring electrode and a counter electrode through the formation of slits in a metallic film formed over the entire surface of one side of an insulating substrate. **SOLUTION:** On the overall surface of an insulating substrate 1 made from polyethylene terephthalate, a metallic film 11 is formed by deposition, sputtering, or by bonding metallic foil, and two slits 12 extending parallel to each other are formed in the metallic film 11 using a laser, etc., to divide the metallic film 11 into three areas. Next, two covers 8 crossing the divided metallic film 11 are provided, and a measuring electrode 4 and a counter electrode 5, in which a liquid



reagent layer 6 to be formed over the electrodes 4, 5 is formed using glucose oxidase as an enzyme, and potassium ferricyanide or the like as an electron acceptor in the case of a blood sugar content sensor.

---

Data supplied from the **esp@cenet** database - Worldwide